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NOTICE OF ALLOWANCE AND FEE(S) DUE

84415   7590   06/24/2009

Law Offices of Ira D. Blecker, P.C.
206 Kingwood Park
Poughkeepsie, NY 12601

EXAMINER
NGUYEN, TANH Q

ART UNIT	PAPER NUMBER
2182	

DATE MAILED: 06/24/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,989	07/15/2003	Giora Biran	IL920000078US1	8807

TITLE OF INVENTION: TRANSFERRING INTERRUPTS FROM A PERIPHERAL DEVICE TO A HOST COMPUTER SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$0	$1400	$1510	09/24/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: <u>Mail</u> **Mail Stop ISSUE FEE**
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or <u>Fax</u> **(571)-273-2885**

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

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Law Offices of Ira D. Blecker, P.C.
206 Kingwood Park
Poughkeepsie, NY 12601

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ (Depositor's name)

_____ (Signature)

_____ (Date)

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10/619,989	07/15/2003	Giora Biran	IL.920000078US1	8807

TITLE OF INVENTION: TRANSFERRING INTERRUPTS FROM A PERIPHERAL DEVICE TO A HOST COMPUTER SYSTEM

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nonprovisional	NO	$1510	$0	$1400	$1510	09/24/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, TANH Q	2182	710-260000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE   (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

☐ Issue Fee

☐ Publication Fee (No small entity discount permitted)

☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

☐ A check is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____   Date _____

Typed or printed name _____   Registration No. _____

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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NGUYEN, TANH Q

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2182	

DATE MAILED: 06/24/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 48 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 48 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

Notice of Allowability	Application No.	Applicant(s)
	10/619,989	BIRAN ET AL.
	Examiner	Art Unit	
	TANH Q. NGUYEN	2182	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to <u>communications filed 05/18/09; 05/28/09</u>.

2. ☒ The allowed claim(s) is/are <u>1,3,6-11,13,16,17 and 19-22</u>.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>05/28/09</u>

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

/TANH Q. NGUYEN/
Primary Examiner, Art Unit 2182
TQN: June 20, 2009

EXAMINER'S AMENDMENT

1.   *An examiner's amendment to the record appears below. Should the changes*

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with the attorney for applicant, Ira D. Blecker (Reg. No. 29,894) on June 19, 2009, to

more clearly claim the invention, and to correct informalities to put the application in

condition for allowance.

The application has been amended as follows:

1. (Currently amended)   An apparatus comprising:

        a buffer for storing ~~indications of~~ <u>completion</u> events generated by <u>non-dedicated</u>

<u>logical communication port (LCP) channels of</u> a peripheral device,

        <u>wherein</u> events include at least one of any of the following: an interrupt; an

internal flag; a status indication of completion of a read operation; an indication that a

new header is waiting; an indication that a packet header is ready; an indication

triggered at an end of header processing, a descriptor, or a set of descriptors; a

completion indication as a received packet which includes an acknowledgment; an

indication of reception of a frame for transmission; an indication that a<u>n</u> EventMask bit is

cleared, an indication that the EventMask bit is cleared; an indication that a

predetermined minimum number of event completed,

said apparatus for transferring ~~indications of events~~ non-dedicated LCP channel numbers indicating the completion events from the peripheral device to a host computer system, and

a controller having a preset condition for an application, said preset condition comprising one of: a determination that the buffer is full; a determination that at least a predetermined plurality of ~~indications~~ completion events is stored in the buffer; a predetermined period has elapsed; and a determination that at least one ~~indication~~ completion event is stored in the buffer and that a predetermined period has elapsed,

said controller for, in response to a preset condition being met based on said ~~indications~~ completion events, generating a control data block from the ~~indications of~~ completion events stored in the buffer, ~~and~~

wherein the control data block ~~comprising~~ comprises a payload portion having a plurality of fields each corresponding to ~~an LCP channel~~ one of the non-dedicated LCP channel numbers indicating the completion events, and a header portion having an identifier for identifying the control data block, the header portion further comprising a count indicative of the number of fields included in the payload portion, and

sending the control data block to the host computer system via ~~an~~ a dedicated LCP channel.

2. Canceled.

3. (Currently amended)   An apparatus as claimed in claim 1, wherein the preset

condition comprises a determination that at least a predetermined plurality of ~~indications~~ completion events is stored in the buffer and that a predetermined period has elapsed.

4. Canceled.

5. Canceled.

6. (Currently amended)   An apparatus as claimed in claim 1, wherein the header portion further comprises a time of day stamp.

7. (original)   An apparatus as claimed in claim 1, wherein the buffer comprises a first in – first out memory buffer.

8. (Currently amended)   ~~The~~ An apparatus as claimed in claim 1 further comprising a communications device.

9. (Currently amended)   ~~The~~ An apparatus as claimed in claim 8 wherein the communications device comprises a data communications network interface.

10. (Currently amended)   An apparatus as claimed in claim 1, further comprising:

     ~~a host processing~~ the host computer system having a memory, a data communications interface for communicating data between the host ~~processing~~

computer system and a data communications network, ~~wherein the apparatus forming a~~

~~data processing system for controlling flow of indications of events from the data~~

~~communication interface to the memory of the host processing system.~~

11. (Currently amended)   A method ~~comprising~~ <u>for</u> transferring ~~indications of events~~

<u>non-dedicated logical communication port (LCP) channel numbers indicating completion</u>

<u>events</u> generated by <u>non-dedicated LCP channels of</u> a peripheral device to a host

computer system, the peripheral device having a plurality of ~~ports~~ <u>LCP channels</u>, ~~the~~

~~steps of transferring indications of events~~ comprising:

storing ~~indications of~~ <u>completion</u> events generated by <u>non-dedicated LCP</u>

<u>channels of</u> said peripheral device in a buffer;

determining if a preset condition is met, said preset condition comprising any of:

a determination that the buffer is full; a determination that at least a predetermined

plurality of ~~indications~~ <u>completion events</u> is stored in the buffer; a predetermined period

has elapsed; and a determination that at least one ~~indication~~ <u>completion event</u> is stored

in the buffer and that a predetermined period has elapsed,

in response to the preset condition being met, generating a control data block

from the ~~indications of~~ <u>completion</u> events stored in the buffer<u>,</u> ~~and~~

<u>wherein</u> the control data block ~~comprising~~ <u>comprises</u> a payload portion having a

plurality of fields each corresponding to ~~a different LCP channel~~ <u>one of the non-</u>

<u>dedicated LCP channel numbers indicating the completion events,</u> and a header portion

having an identifier for identifying the control data block<u>, the header portion further</u>

comprising a count indicative of the number of fields included in the payload portion;

and

      sending the control data block to the host computer system via ~~an~~ a dedicated

LCP channel.

12. Canceled.

13. (Currently amended)   A method as claimed in claim 11, wherein the step of

determining if the preset condition is met comprises determining if at least a

predetermined plurality of ~~indications~~ completion events is stored in the buffer and if a

predetermined period has elapsed,

      wherein ~~indications~~ events include at least one of any of the following: an

interrupt; an internal flag; a status indication of completion of a read operation; an

indication that a new header is waiting; an indication that a packet header is ready; an

indication triggered at an end of header processing, a descriptor, or a set of descriptors;

a completion indication as a received packet which includes an acknowledgment; an

indication of reception of a frame for transmission; an indication that a<u>n</u> EventMask bit is

cleared, an indication that the EventMask bit is cleared; an indication that a

predetermined minimum number of event completed.

14. Canceled.

15. Canceled.

16. (original)   A method as claimed in claim 11, wherein the buffer comprises a

first in - first out memory buffer.

17. (Currently amended)   A computer program product comprising a computer usable

medium having computer readable program code means embodied therein for causing

transfer of ~~indications of events~~ non-dedicated logical communication port (LCP)

channel numbers indicating completion events generated by non-dedicated LCP

channels of a peripheral device to a host computer system, the computer readable

program code means in said computer program product comprising:

        computer readable program code means for causing a computer to effect a

buffer for storing ~~indications of~~ completion events generated by non-dedicated LCP

channels of the a peripheral device in a buffer,

        wherein events include at least one of any of the following: an interrupt; an

internal flag; a status indication of completion of a read operation; an indication that a

new header is waiting; an indication that a packet header is ready; an indication

triggered at an end of header processing, a descriptor, or a set of descriptors; a

completion indication as a received packet which includes an acknowledgment; an

indication of reception of a frame for transmission; an indication that an EventMask bit is

cleared, an indication that the EventMask bit is cleared; an indication that a

predetermined minimum number of event completed~~, said apparatus for transferring~~

~~indications of events from the peripheral device to a host computer system~~; and

computer readable program code means for causing ~~a~~ the computer to effect a controller ~~having~~ to have a preset condition for an application, said preset condition comprising one of: a determination that the buffer is full; a determination that at least a predetermined plurality of ~~indications~~ completion events is stored in the buffer; a predetermined period has elapsed; and a determination that at least one ~~indication~~ completion event is stored in the buffer and that a predetermined period has elapsed,

computer readable program code means for causing the computer to effect said controller ~~for~~ to, in response to a preset condition being met based on said ~~indications~~ completion events~~, generating~~ generate a control data block from the ~~indications of~~ completion events stored in the buffer, ~~and~~

wherein the control data block ~~comprising~~ comprises a payload portion having a plurality of fields each corresponding to ~~an LCP channel~~ one of the non-dedicated LCP channel numbers indicating the completion events, and a header portion having an identifier for identifying the control data block, the header portion further comprising a count indicative of the number of fields included in the payload portion, and

computer readable program code means for causing the computer to effect sending the control data block to the host computer system via ~~an~~ a dedicated LCP channel.

18. Canceled.

19. (Currently amended)   An article of manufacture comprising a computer usable medium having computer readable program code means embodied therein for causing transfer of ~~indications of events~~ non-dedicated logical communication port (LCP) channel numbers indicating completion events generated by non-dedicated LCP channels of a peripheral device to a host computer system, the computer readable program code means in said article of manufacture comprising:

computer readable program code means for causing a computer to store ~~indications of~~ completion events generated by non-dedicated LCP channels of the ~~a~~ peripheral device in a buffer;

computer readable program code means for causing ~~a~~ the computer to determine if a preset condition is met, said preset condition comprising any of: a determination that the buffer is full; a determination that at least a predetermined plurality of ~~indications~~ completion events is stored in the buffer; a predetermined period has elapsed; and a determination that at least one ~~indication~~ completion event is stored in the buffer and that a predetermined period has elapsed,

in response to the preset condition being met, computer readable program code means for causing ~~a~~ the computer to generate a control data block from the ~~indications of~~ completion events stored in the buffer, ~~and~~

wherein the control data block ~~comprising~~ comprises a payload portion having a plurality of fields each corresponding to ~~a different LCP channel~~ one of the non-dedicated LCP channel numbers indicating the completion events, and a header portion having an identifier for identifying the control data block, the header portion further

comprising a count indicative of the number of fields included in the payload portion;

and

computer readable program code means for causing ~~a~~ the computer to send the

control data block to the host computer system via ~~an~~ a dedicated LCP channel.

20. (Currently amended)   A program storage device readable by a machine, tangibly

embodying a program of instructions executable by the machine to perform method

steps for transferring of ~~indications of events~~ non-dedicated logical communication port

(LCP) channel numbers indicating completion events generated by non-dedicated LCP

channels of a peripheral device to a host computer system, said method steps

comprising the steps of:

storing ~~indications of~~ completion events generated by non-dedicated LCP

channels of said ~~a~~ peripheral device in a buffer;

determining if a preset condition is met, said preset condition comprising any of:

a determination that the buffer is full; a determination that at least a predetermined

plurality of ~~indications~~ completion events is stored in the buffer; a predetermined period

has elapsed; and a determination that at least one ~~indication~~ completion event is stored

in the buffer and that a predetermined period has elapsed,

in response to the preset condition being met, generating a control data block

from the ~~indications of~~ completion events stored in the buffer, ~~and~~

wherein the control data block ~~comprising~~ comprises a payload portion having a

plurality of fields each corresponding to ~~a different LCP channel~~ one of the non-

<u>dedicated LCP channel numbers indicating the completion events,</u> and a header portion

having an identifier for identifying the control data block<u>, the header portion further</u>

<u>comprising a count indicative of the number of fields included in the payload portion</u>;

and

      sending the control data block to the host computer system via ~~an~~ <u>a dedicated</u>

LCP channel.

21. (Currently amended)   An apparatus as claimed in claim 1, wherein:

    ~~the header portion comprises a count indicative of the number of indications~~

~~included in the payload portion;~~

    the header portion <u>further</u> comprises a time of day stamp; and

    the buffer comprises a first in - first out memory buffer.

22. (Currently amended)   An apparatus as claimed in claim 21, further comprising:

~~a host processing~~ <u>the host computer</u> system having a memory, a data communications

interface for communicating data between the host ~~processing~~ <u>computer</u> system and a

data communications network~~, wherein the apparatus forming a data processing system~~

~~for controlling flow of indications of events from the data communication interface to the~~

~~memory of the host processing system~~.

Allowable Subject Matter

2.   *The following is an examiner's statement of reasons for allowance:*

The prior art, individually or in combination, does not teach transferring non-dedicated logical communication port (LCP) channel numbers indicating completion events generated by non-dedicated LCP channels of a peripheral device to a host computer system in a payload portion of a control data block - via a dedicated LCP channel, the control data block also comprising a header portion having an identifier for identifying the control data block and a count indicative of the number of LCP channel numbers included in the payload portion.

In addition, applicant confirms that applicant does not invoke 35 USC 112, sixth paragraph when reciting "computer readable program code means"; and applicant also confirms that "computer usable medium" is a storage medium (e.g. DVD, CD, ROM,...) and not transmission medium, communications medium, carrier wave, signals, and the like.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TANH Q. NGUYEN whose telephone number is (571)272-4154. The examiner can normally be reached on M-F (9:30AM-6:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, TARIQ HAFIZ can be reached on (571)272-6729. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/TANH Q. NGUYEN/
Primary Examiner, Art Unit 2182

TQN: June 20, 2009